

00401

**B.Sc. (Hons.) IN OPTOMETRY AND  
OPHTHALMIC TECHNIQUES  
(BSCHOT)**

**Term-End Examination  
December, 2017**

**BOS-004 : BASIC OCCULAR SCIENCES**

*Time : 3 hours*

*Maximum Marks : 70*

**PART-A**

- Answer any five questions. Each carries 8 marks.
1. Explain the structure of lacrimal apparatus with the help of suitable diagram. 8
  2. (a) Describe uniocular and binocular movements. 4  
(b) Explain the laws governing the ocular movements. 4
  3. Describe the process of aqueous formation and its drainage. 8
  4. Describe the common disorders of the lens. 8
  5. (a) Define mydriatics and cycloplegics. 2  
(b) Explain the indications, contra-indications and dosages of Tropicamide. 6
  6. Describe the etiology, causative organisms, symptoms, complications and treatment of Acute Mucopurulent conjunctivitis. 8

7. (a) Classify antiglaucoma drugs. 3  
(b) Describe the role of Beta-Blocker agents in the management of Glaucoma. 5
8. Describe the various layers of retina with the help of suitable diagrams. 8

### PART-B

9. Write short notes on any five of the following :  $6 \times 5 = 30$
- (a) Complications of steroid therapy.
  - (b) Chelating agents.
  - (c) Lab diagnosis of Corneal Ulcer
  - (d) Keratoconus.
  - (e) Argyll Robertson Pupil
  - (f) Iris Coloboma.
  - (g) Layers of Choroid
  - (h) Extra Ocular Muscles of the eye.
-